## IN THE CLAIMS:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

Claims 1-15 (Canceled)

Claim 16 (Currently Amended): A printer comprising:

a control unit having a first memory for storing image data with a first orientation generated based on print data received from an external apparatus and a transfer unit for performing DMA-transferring of the image data with the first orientation read from the first memory; and

an engine unit having a second memory for storing the image data received from said control unit and a print engine for printing the image data stored in the said second memory,

wherein said control unit includes a transfer unit for transferring the image data read from the first memory to the second memory, and

wherein the said transfer unit includes a third memory for storing the image data with the first orientation read from the first memory, and reads rotated the image data from the said third memory as image data with a second orientation for performing image rotation and transfers the rotated read image data with the second orientation to the said second memory without transferring the rotated image data to the first memory, or reads the image data, without

rotation, from the third memory and transfers the read image data to the second memory without transferring the read image data to the first memory, depending on a print sheet.

Claim 17. (Previously Presented): A printer according to claim 16, further comprising a parallel interface for connecting said control unit and said engine unit to each other.

Claim 18. (Currently Amended): A printer according to claim 16, wherein the said transfer unit includes a plurality of the third memories and wherein the said transfer unit transfers one body of image data from one of the plurality of third memories to the said second memory, while other image data from the said first memory is stored in another of the plurality of third memories.

Claim 19. (Currently Amended): A control method carried out in a printer that comprises a control unit having a first memory for storing image data with a first orientation generated based on print data received from an external apparatus and a transfer unit for performing DMA-transferring of the image data with the first orientation read from the first memory, and an engine unit having a second memory for storing the image data received from the control unit and a print engine for printing the image data stored in the second memory, said method comprising:

a storing step of storing the image data with the first orientation read from the first memory in a third memory; and

a controlling step of reading rotated the image data from the third memory as image data with a second orientation for performing image rotation and transferring the rotated read image data with the second orientation to the second memory without transferring the rotated image data to the first memory, or reading the image data, without rotation, from the third memory and transferring the read image data to the second memory without transferring the read image data to the first memory, depending on a print sheet.

Claim 20. (Previously Presented): A method according to claim 19, wherein the printer further comprises a parallel interface for connecting the control unit and the engine unit to each other.

Claim 21. (Previously Presented): A method according to claim 19, wherein the printer includes a plurality of the third memories, and wherein said transferring step transfers one image data from one of the plurality of third memories to the second memory, while said storing step stores another image data from the first memory in another of the plurality of third memories.

Claim 22. (Currently Amended): A printer comprising:

a control unit having a first memory for storing image data <u>for a portrait print</u>

<u>sheet</u> generated based on print data received from an external apparatus <u>and a transfer unit for</u>

<u>performing DMA-transferring of the image data for the portrait print sheet read from said first</u>

<u>memory</u>; and

an engine unit having a second memory for storing the image data received from said control unit and a print engine for printing the image data stored in the said second memory,

wherein said control unit includes a transfer unit for transferring the image data read from the first memory to the second memory, and

wherein the <u>said</u> transfer unit includes a third memory for storing the image data <u>for the portrait print sheet</u> read from the <u>said</u> first memory, and reads <u>rotated the</u> image data from the <u>said</u> third memory <u>as image data for a landscape print sheet</u> and transfers the <u>rotated read</u> image data <u>for the landscape print sheet</u> to <u>the said</u> second memory without transferring the <u>rotated read</u> image data to <u>the said</u> first memory if printing is performed on a landscape print sheet, and reads the image data, <u>without rotation</u>, from the <u>said</u> third memory <u>as image data for the portrait print sheet</u> and transfers the read image <u>for the portrait print sheet</u> data to <u>the said</u> second memory <u>without transferring the read image data to the first memory</u> if printing is performed on a portrait print sheet.

Claim 23. (Previously Presented): A printer according to claim 22, further comprising a parallel interface for connecting said control unit and said engine unit to each other.

Claim 24. (Currently Amended): A printer according to claim 22, wherein the said transfer unit includes a plurality of the said third memories and wherein the said transfer unit transfers one body of image data from one of the plurality of third memories to the said second

memory, while other image data from the <u>said</u> first memory is stored in another of the plurality of third memories.

Claim 25. (Previously Presented: A printer according to claim 22, wherein said engine unit informs said control unit whether the rotation is required.

Claim 26. (Currently Amended): A control method carried out in a printer that comprises a control unit having a first memory for storing image data <u>for a portrait print sheet</u> generated based on print data received from an external apparatus <u>and a transfer unit for</u> <u>performing DMA-transferring of the image data for the portrait print sheet read from the first memory</u>, and an engine unit having a second memory for storing the image data received from the control unit and a print engine for printing the image data stored in the second memory, said method comprising:

a storing step of storing the image data <u>for the portrait print sheet</u> read from the first memory in a third memory;

a transferring step of reading rotated the image data from the third memory as image data for a landscape print sheet and transferring the rotated read image data for the landscape print sheet to the second memory without transferring the rotated read image data to the first memory if printing is performed on a landscape print sheet, and reading the image data; without rotation, from the third memory as image data for the portrait print sheet and transferring the read image data for the portrait print sheet to the second memory without transferring the read image data to the first memory if printing is performed on a portrait print sheet.

Claim 27. (Previously Presented): A method according to claim 26, wherein the printer further comprises a parallel interface for connecting the control unit and the engine unit to each other.

Claim 28. (Previously Presented): A method according to claim 26, wherein the printer includes a plurality of the third memories, and wherein said transferring step transfers one body of image data from one of the plurality of third memories to the second memory, while said storing step stores other image data from the first memory in another of the plurality of third memories.

Claim 29 (Previously Presented): A method according to claim 26, further comprising the step of informing from the engine unit to the control unit whether the rotation is required.